

**Commonwealth of Kentucky**  
**Natural Resources and Environmental Protection Cabinet**  
**Department for Environmental Protection**  
**Division for Air Quality**  
**803 Schenkel Lane**  
**Frankfort, Kentucky 40601**  
**(502) 573-3382**

**Title V**  
**AIR QUALITY PERMIT**  
**Issued under 401 KAR 52:020**

**Permittee Name:** Cox Interior, Inc  
**Mailing Address:** 1751 Old Columbia Road  
Campbellsville, Kentucky 42718

**Source Name:** Cox Interior, Inc  
**Mailing Address:** 1751 Old Columbia Road  
Campbellsville, Kentucky 42718

**Source Location:** 1751 Old Columbia Road  
Campbellsville, Kentucky 42718

**Permit Number:** V-02-042  
**Log Number:** 50702  
**Review Type:** Title V  
**Source ID #:** 21-217-00027

**Regional Office** Bowling Green  
**County:** Taylor

**Application**  
**Complete Date:** 02/01/99  
**Issuance Date:**  
**Expiration Date:**

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**John S. Lyons, Director**  
**Division for Air Quality**

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| Rev # | Permit type                             | Log #          | Complete Date | Issuance Date | Summary of Action  |
|-------|---|----------------|---------------|---------------|--|
| ----  | State and Federally Enforceable Permits | NA             | NA            | NA            | O-90-015, C-93-154,S-94-123, S-96-036,S-96-244,S-98-007 and F-96-021<br>Revision 1 |
|       | TV                                      | F907/5<br>0702 | 02-01-99      |               | Initial source wide Title V for all operating units                                |
|       |   |                |               |               |  |

## **SECTION A - PERMIT AUTHORIZATION**

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any emissions units without first having submitted a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in the Regulation 401 KAR 52:020, Permits.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS**

### **Emissions Unit 01 (01) Millwork Operations**

#### **Description:**

Operations include dimensioning, stair and door departments.

Maximum operating rate: 36,000 board-feet/hour.

Construction commenced: 1998.

Control Equipment: Enclosures and baghouses. Control efficiency 99.8%.

#### **APPLICABLE REGULATIONS:**

Regulation 401 KAR 59:010, New Process Operations, applicable to an emission unit that commenced on or after July 2, 1975.

#### **1. Operating Limitations:**

None

#### **2. Emission Limitations:**

- a) Pursuant to Regulation 401 KAR 59:010, Section 3(2), particulate emissions into the open air shall not exceed  $[17.31(P)^{0.16}]$  lbs/hour based on a three-hour-average where is the processing rate in tons/hour. Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions using the following formula:

PM emissions (lbs/hour) from wood processing = from AP.42, emission factor of 38.2 lb./ton multiply by [1- control efficiency]

- b) Pursuant to Regulation 401 KAR 59:010, Section 3(1)(a), any continuous emissions into the open air shall not equal or exceed 20% opacity based on a six-minute-average.

#### **3. Testing Requirements:**

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**4. Specific Monitoring Requirements:**

- a) The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack on a weekly basis and maintain a log of the observations. If visible emissions from any emission point are seen, then the permittee shall determine the opacity of emissions by U.S. EPA Reference Method 9 and initiate an inspection of the control equipment for any necessary repairs.
- b) The permittee shall monitor the wood processed (tons) and hours of operation on a weekly basis.

**5. Specific Recordkeeping Requirements:**

Records of daily wood processed (tons) and hours of operation shall be maintained.

**6. Specific Reporting Requirements:**

See Section F, Conditions 5, 6, 7 and 8.

**7. Specific Control Equipment Operating Conditions:**

- a) The baghouses and enclosures shall be operated to maintain compliance with permitted emission limitations in accordance with manufacturer's specifications and/or standard operating practices.
- b) Records regarding the maintenance of the control equipment shall be maintained.
- c) See Section E.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **Emissions Unit 02 (02) Wood Waste Handling, Storage, and Processing**

#### **Description:**

Equipment includes: Storage buildings, silos, trailers, augers, shakers, and balers

Maximum operating rate: 15.89 tons/hour

Construction commenced: 1998

Control Equipment: Cyclones, enclosures and baghouses. Control efficiency 99.8%.

#### **APPLICABLE REGULATIONS:**

Regulation 401 KAR 59:010, New Process Operations, applicable to an emission unit that commenced on or after July 2, 1975.

#### **1. Operating Limitations:**

None

#### **2. Emission Limitations:**

- a) Pursuant to Regulation 401 KAR 59:010, Section 3(2), particulate emissions into the open air shall not exceed  $[3.59(P)^{0.62}]$  lbs/hour based on a three-hour-average where is the processing rate in tons/hour. Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions using the following formula:

PM emissions (lbs/hour) from wood processing = from AP. 42, emission factor of 3.00 lb/ton multiply by [1- control efficiency]

- b) Pursuant to Regulation 401 KAR 59:010, Section 3(1)(a), any continuous emissions into the open air shall not equal or exceed 20% opacity based on a six-minute-average.

#### **3. Testing Requirements:**

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**4. Specific Monitoring Requirements:**

- a) The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack on a weekly basis and maintain a log of the observations. If visible emissions from any emission point are seen, then the permittee shall determine the opacity of emissions by U.S. EPA Reference Method 9 and initiate an inspection of the control equipment for any necessary repairs.
- b) The permittee shall monitor the wood processed (tons) rate and hours of operation on a weekly basis.

**5. Specific Recordkeeping Requirements:**

Record of daily wood processed (tons) and daily hours of operation shall be maintained.

**6. Specific Reporting Requirements:**

See Section F, Conditions 5, 6, 7 and 8.

**7. Specific Control Equipment Operating Conditions:**

- a) The baghouses, cyclones, and enclosures shall be operated as necessary to maintain compliance with permitted emission limitations in accordance with manufacturer's specifications and/or standard operating practices.
- b) Records regarding the maintenance of the control equipment shall be maintained.
- c) See Section E.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **Emissions Unit 03 (03) Surface Coating**

#### **Description:**

Equipment includes: Manual spray booth, automatic spray moulding machines and drying ovens.

Maximum operating rate: 25 gallons/hour.

Construction commenced: 1996

Control Equipment: Filter chamber. Control efficiency 99.25 % with reclaim.

#### **APPLICABLE REGULATIONS:**

Regulation 401 KAR 59:010, New Process Operations, applicable to an emission unit that commenced on or after July 2, 1975.

#### **1. Operating Limitations:**

- a) Hours of operation for coating operation which uses 2-Butoxyethanol shall not equal or exceed 3600 hours / 12 consecutive month period, to preclude applicability of 40 CFR 63, Subpart QQQQ.
- b) Usage rate of coatings containing 2-Butoxyethanol shall not exceed 25 gal/hr.

#### **2. Emission Limitations:**

- a) Pursuant to Regulation 401 KAR 59:010, Section 3(2), particulate emissions into the open air shall not exceed  $[3.59(P)^{0.62}]$  lbs/hour based on a three-hour-average where is the processing rate in tons/hour. Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions using the following formula:  
  
PM emissions (lbs/hour) from surface coating = (density of primer in lbs/gallon)(primer used averaged weekly in gallons/hour)(weight % of solids)(1-control efficiency).
- b) Pursuant to Regulation 401 KAR 59:010, Section 3(1)(a), any continuous emissions into the open air shall not equal or exceed 20% opacity based on a six-minute-average.

#### **3. Testing Requirements:**

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.



**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**4. Specific Monitoring Requirements:**

- a. The permittee shall monitor the primer usage rate and hours of operation on a daily basis.
- b. The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack on a weekly basis and maintain a log of the observations. If visible emissions from any emission point are seen, then the permittee shall determine the opacity of emissions by U.S. EPA Reference Method 9 and initiate an inspection of the control equipment for any necessary repairs

**5. Specific Recordkeeping Requirements:**

Records of daily primer used and daily hours of operation shall be maintained.

**6. Specific Reporting Requirements:**

See Section F, Conditions 5, 6, 7 and 8.

**7. Specific Control Equipment Operating Conditions:**

- a) The filter chamber shall be operated as necessary to maintain compliance with permitted emission limitations in accordance with manufacturer's specifications and/or standard operating practices.
- b) Records regarding the maintenance of the control equipment shall be maintained.
- c) See Section E.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **Emissions Unit 04 (04) Indirect Heat Exchanger**

#### **Description:**

Hurst Boiler and Welding Company wood-fired boiler.

Maximum continuous rating: 9.572 MMBTU/hr.

Construction commenced: 1988

Control Equipment: Multiclone. Control efficiency 80%.

#### **APPLICABLE REGULATIONS:**

Regulation 401 KAR 59:015, New indirect heat exchangers, applicable to an emissions unit with a capacity of less than 250 MMBTU/hr which commenced on or after April 9, 1972.

#### **1. Operating Limitations:**

None

#### **2. Emission Limitations:**

- a) Pursuant to Regulation 401 KAR 59:015, Section 4(1), particulate emissions shall not exceed 0.56 lb/MMBTU based on a three-hour-average. Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions using the following formula:

PM emissions (lbs/hour) = [(1.76 lb/ton which is emission factor from AP-42 with control efficiency factored in) divided by (wood heating value in MMBTU/ton)]

- b) Pursuant to Regulation 401 KAR 59:015, Section 4(2), emissions shall not exceed 20% opacity based on a six-minute-average, except that a maximum of 40% opacity, based on a six-minute average, shall be permissible for not more than six consecutive minutes in any consecutive 60 minutes during cleaning the fire-box or blowing soot.
- c) Pursuant to Regulation 401 KAR 59:015, Section 5(1), sulfur dioxide emissions shall not exceed 5.0 lbs/MMBTU based on a twenty four-hour average. While burning wood, the unit is considered in compliance with the sulfur dioxide standard.

#### **3. Testing Requirements:**

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**4. Specific Monitoring Requirements:**

- a) The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack on a weekly basis and maintain a log of the observations. If visible emissions from any emission point are seen, then the permittee shall determine the opacity of emissions by U.S. EPA Reference Method 9 and initiate an inspection of the control equipment for any necessary repairs.
- b) The permittee shall monitor the amount of wood combusted on a weekly basis.

**5. Specific Recordkeeping Requirements:**

The permittee shall keep records of the amount of wood combusted on a weekly basis.

**6. Specific Reporting Requirements:**

See Section F, Conditions 5, 6, 7 and 8.

**7. Specific Control Equipment Operating Conditions:**

- a) The multiclone shall be operated as necessary to maintain compliance with permitted emission limitations in accordance with manufacturer's specifications and/or standard operating practices.
- b) Records regarding the maintenance of the control equipment shall be maintained.
- c) See Section E.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **Emissions Unit 05 (05) Indirect Heat Exchanger**

#### **Description:**

Orr and Sembower Company # 2 fuel oil-fired boiler.

Maximum continuous rating: 10.0452 MMBTU/hr.

Construction commenced: 1988

#### **APPLICABLE REGULATIONS:**

Regulation 401 KAR 59:015, New indirect heat exchangers, applicable to an emissions unit with a capacity of less than 250 MMBTU/hr which commenced on or after April 9, 1972.

#### **1. Operating Limitations:**

None

#### **2. Emission Limitations:**

a) Pursuant to Regulation 401 KAR 59:015, Section 4(1), particulate emissions shall not exceed 0.478 lb/MMBTU based on a three-hour-average. Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions using the following formula:

$$\text{PM emissions (lbs/hour)} = [(2.0 \text{ lbs}/10^3 \text{ gallon which is emission factor from AP-42)} \div (\# 2 \text{ fuel oil heating value in MMBTU}/10^3 \text{ gallon})]$$

b) Pursuant to Regulation 401 KAR 59:015, Section 4(2), emissions shall not exceed 20% opacity based on a six-minute-average, except that a maximum of 40% opacity, based on a six-minute average, shall be permissible for not more than six consecutive minutes in any consecutive 60 minutes during cleaning the fire-box or blowing soot.

c) Pursuant to Regulation 401 KAR 59:015, Section 5(1), sulfur dioxide emissions shall not exceed 2.275 lbs/MMBTU based on a twenty four-hour average. Compliance with the allowable sulfur dioxide standard may be demonstrated by calculating sulfur dioxide emissions using the following formula:

$$\text{SO}_2 \text{ emissions (lbs/hour)} = [(142 \times \text{percent sulfur in fuel in lb}/10^3 \text{ gallon which is emission factor from AP-42)} \div (\# 2 \text{ fuel oil heating value in MMBTU}/10^3 \text{ gallon})]$$

**SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

**3. Testing Requirements:**

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.

**4. Specific Monitoring Requirements:**

- a) The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack on a weekly basis and maintain a log of the observations. If visible emissions from any emission point are seen, then the permittee shall determine the opacity of emissions by U.S. EPA Reference Method 9 and initiate an inspection of the control equipment for any necessary repairs
- b) The permittee shall monitor the amount of #2 fuel oil combusted on a weekly basis.
- c) The permittee shall monitor the heating value and sulfur content of the fuel oil combusted whenever a new shipment of fuel is received. The permittee may use certification from the fuel supplier to satisfy this requirement.

**5. Specific Recordkeeping Requirements:**

- a) The permittee shall keep records of the amount of #2 fuel oil combusted on a weekly basis.
- b) The permittee shall maintain records of the heating value and sulfur content for the fuel oil.

**6. Specific Reporting Requirements:**

See Section F, Conditions 5, 6, 7 and 8.

**7. Specific Control Equipment Operating Conditions:**

None

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**

### **Emissions Unit # 6 – 7 Indirect Heat Exchangers**

#### **Description:**

Hurst Boiler and Welding Company wood-fired boilers.

Secondary fuel: Woodmat.

Maximum continuous rating: (2) 61.4 MMBTU/hr, each

Indirect heat exchangers were built in 1988 and installed at facility in 1992.

Control Equipment: Multiclone and electrified filter bed. Control efficiency 90%.

#### **APPLICABLE REGULATIONS:**

Regulation 401 KAR 59:015, New indirect heat exchangers, applicable to an emissions unit with a capacity of less than 250 MMBTU/hr which commenced on or after April 9, 1972.

#### **1. Operating Limitations:**

None

#### **2. Emission Limitations:**

a) Pursuant to Regulation 401 KAR 59:015, Section 4(1), particulate emissions shall not exceed 0.299 lb/MMBTU based on a three-hour-average. Compliance with the allowable particulate standard may be demonstrated by calculating particulate emissions using the following formula:

$$\text{PM emissions (lbs/hour)} = [(0.88 \text{ lb/ton which is emission factor from AP-42 with control efficiency factored in}) \div (\text{wood heating value in MMBTU/ton})]$$

b) Pursuant to Regulation 401 KAR 59:015, Section 4(2), emissions shall not exceed 20% opacity based on a six-minute-average, except that a maximum of 40% opacity, based on a six-minute average, shall be permissible for not more than six consecutive minutes in any consecutive 60 minutes during cleaning the fire-box or blowing soot.

c) Pursuant to Regulation 401 KAR 59:015, Section 5(1), sulfur dioxide emissions shall not exceed 1.53 lb/MMBTU based on a twenty four-hour average. While burning wood, the unit is considered in compliance with the sulfur dioxide standard.

## **SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING (CONDITIONS)**

### **3. Testing Requirements:**

The permittee shall determine the opacity of emissions from the stack using U.S. EPA Reference Method 9 annually, or more frequently if requested by the Division.

### **4. Specific Monitoring Requirements:**

- a) The permittee shall perform a qualitative visual observation of the opacity of emissions from the stack on a weekly basis and maintain a log of the observations. If visible emissions from any emission point are seen, then the permittee shall determine the opacity of emissions by U.S. EPA Reference Method 9 and initiate an inspection of the control equipment for any necessary repairs.
- b) The permittee shall monitor the amount of wood combusted on a weekly basis.

### **4. Specific Recordkeeping Requirements:**

The permittee shall keep records of the amount of wood combusted on a weekly basis.

### **6. Specific Reporting Requirements:**

See Section F, Conditions 5, 6, 7 and 8.

### **7. Specific Control Equipment Operating Conditions:**

- a) The multiclone and electrified bed filter shall be operated as necessary to maintain compliance with permitted emission limitations in accordance with manufacturer's specifications and/or standard operating practices.
- b) Records regarding the maintenance of the control equipment shall be maintained.
- c) Emissions from the ash-handling system shall be controlled by a cyclone/baghouse.
- d) See Section E.

**SECTION C - INSIGNIFICANT ACTIVITIES**

The following listed activities have been determined to be insignificant activities for this source pursuant to Regulation 401 KAR 50:020, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

| <u>Description</u>  | <u>Generally Applicable Regulation</u> |
|---|--|
| 1. 3,000 gallon #2 fuel oil tank                          | NA                                     |
| 2. 1120 gallon gasoline tank                              | 401 KAR 59:050                         |
| 3. 440,000 BTU/hr natural gas water heater                | NA                                     |
| 4. 200,000 BTU/hr natural gas space heater                | NA                                     |
| 5. 3-150,000 BTU/hr natural gas space heaters             | NA                                     |
| 6. 1,050 hydrochloric acid tank                           | NA                                     |
| 7. 1,050 gallon sodium hydroxide tank                     | NA                                     |
| 8. 50,000 gallons/year of wood glues                      | 401 KAR 59:010                         |
| 9. 1,000 gallons of lacquer thinner                       | NA                                     |
| 10. Lumber labeling spray paint                           | NA                                     |
| 11. Machinery lubricants                                  | NA                                     |
| 12. 500 gallons/year of wood putty                        | NA                                     |
| 13. 2.4 MMBTU/hr total for 3 natural gas ovens            | NA                                     |
| 14. Cooling tower   | NA                                     |
| 16. Gravel roads throughout facility                      | 410 KAR 63:010                         |
| 17. Grinding system                                       | 401 KAR 59:010                         |
| 18. Truck dumping   | 401 KAR 63:010                         |
| 19. Shredding system                                      | 401 KAR 63:010                         |
| 20. 1,300 gallon/year part A Rhodia silicone              | 401 KAR 59:010                         |
| 21. 167 gallon/year part B Rhodia silicone                | 401 KAR 59:010                         |
| 22. 150 gallon/year White Vinyl Barrier Coat Lacquer      | 401 KAR 59:010 & 63:020                |
| 23. 13000 gallon/year Part A Rigid Polyurethane Foam      | 401 KAR 59:010 & 63:020                |
| 24. 13000 gallon/year Part B Rigid Polyurethane Foam      | 401 KAR 59:010 & 63:020                |
| 25. 150 gallon/year Poly Foam Mold Release Blend          | 401 KAR 59:010 & 63:020                |
| 26. 1000 gallon/year Poly Foam W/B Primer                 | 401 KAR 59:010 & 63:020                |
| 27. 3,300 gallon/year Exterior Wood Glues                 | 401 KAR 59:010 & 63:020                |
| 28. 30 gallon/year Mineral Spirits                        | N/A                                    |
| 29. 165 gallon/year Wood Stabilizer                       | N/A                                    |
| 30. 308 hp Fuel Oil Emergency Generator                   | N/A                                    |
| 31. Temporary Sawdust Storage Pile                        | 401 KAR 63:010                         |
| 32. 3000 gallons/year of Aqueous Emulsion of Paraffin Wax | 401 KAR 59:010                         |

*Please see Section F.13 for additional requirements.*



## **SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS**

1. Particulate matter, sulfur dioxide, carbon monoxide, and visible emissions, as measured by methods referenced in 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.
2. As required by Section 1b of the Cabinet Provisions and Procedures for Issuing Title V Permits incorporated by reference in 401 KAR 52:020, Section 26; compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
3. In no way does this permit relieve the permittee from the responsibility of controlling emissions at all times in accordance with State Regulation 401 KAR 63:010, Fugitive emissions.
4. This permit authorizes the burning of wood waste as defined in 40 CFR 60 Subpart Dc. No other material shall be burned in the indirect heat exchangers without a permit revision.
5. The annual emission and fuel charging limitations on this permit shall be based on emission and charging rates during any 12 consecutive month period.
6. Pursuant Regulation 401 KAR 59:021, the maximum charging rate of wood to the indirect heat exchangers shall not exceed 12.6 lb/hour.
7. Source-wide Hazardous air pollutant (HAP) emission shall not equal or exceed 9 tons/year of a single HAP, and 22.5 tons/year of any combination of HAPs.

## **SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS**

Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions.

## **SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS**

1. When continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
  - a. Date, place as defined in this permit, and time of sampling or measurements.
  - b. Analyses performance dates;
  - c. Company or entity that performed analyses;
  - d. Analytical techniques or methods used;
  - e. Analyses results; and
  - f. Operating conditions during time of sampling or measurement.

[Section 1b (IV)1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [Sections 1b(IV) 2 and 1a(8) of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. In accordance with the requirements of 401 KAR 52:020 Section 3(1)h the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
  - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
  - b. To access and copy any records required by the permit;
  - c. Inspect, at reasonable times, any facilities, equipment (including monitoring and pollution control equipment), practices, or operations required by the permit. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
  - d. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.
  - e. Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit, other than continuous emission or opacity monitors, shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during

**SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

the previous six months because the emission unit was not in operation [Section 1b (V) 1 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].

6. The semi-annual reports are due by January 30th and July 30th of each year. Data from the continuous emission and opacity monitors shall be reported to the Technical Services Branch in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All reports shall be certified by a responsible official pursuant to 401 KAR 52:020 Section 23. All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
  - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
  - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards notification shall be made as promptly as possible by telephone (or other electronic media) and shall cause written notice upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within *30 days*. Other deviations from permit requirements shall *be included in the semiannual report required by Section F.6* [Section 1b (V) 3, 4. of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. Pursuant to 401 KAR 52:020, Permits, Section 21, the permittee shall certify compliance with the terms and conditions contained in this permit, by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit and the U.S. EPA in accordance with the following requirements:
  - a. Identification of the term or condition;
  - b. Compliance status of each term or condition of the permit;
  - c. Whether compliance was continuous or intermittent;
  - d. The method used for determining the compliance status for the source, currently and over the reporting period, and
  - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

## **SECTION F - MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS (CONTINUED)**

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications should be mailed to the following addresses:

|                              |                        |
|------------------------------|------------------------|
| Division for Air Quality     | U.S. EPA Region 4      |
| Regional Office              | Air Enforcement Branch |
| 1508 Westen Avenue           | Atlanta Federal Center |
| Bowling Green, KY 42104-3356 | 61 Forsyth Street      |
|                              | Atlanta, GA 30303-8960 |

Division for Air Quality  
Central Files  
803 Schenkel Lane  
Frankfort, KY 40601

10. In accordance with 401 KAR 52:020, Section 22, the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee.
11. Pursuant to Section VII (3) of the policy manual of the Division for Air Quality as referenced in 401 KAR 50:016, Section 1(1), results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days after the completion of the fieldwork.
12. To comply with the recordkeeping requirements for burning waste other than wood waste, the permittee shall record the supplier, quantity of waste, type of waste, waste classification and an analysis (including density and chemical composition) of each type of waste delivered to the site. At least 30 days prior to the date of combusting mixed waste, the permittee shall complete and submit analytical protocol to the Division's Frankfort Regional office. Prior to the combustion of the mixed waste, an approval protocol must be completed for each type of waste. To demonstrate compliance the permittee shall maintain records of the weight of each weight type blended into a charging batch and total weight of each change batch. Additionally, the heat capacity, moisture content, the sulfur content of each charge batch shall be recorded to insure the proper fuel mix ratio.
13. The permittee shall monitor maximum usage rates of Part A Rhodia silicone, Part B Rhodia silicone, White Vinyl Barrier Coat Lacquer, Part A Rigid Polyurethane Foam, Part B Rigid Polyurethane Foam, Poly Foam Mold Release Blend, Poly Foam W/B Primer, and Exterior Wood Glues. To demonstrate compliance with limits in Section C of the permit, the permittee shall maintain monthly records and report semi- annually to the field office listed on the Title page of this permit.

**SECTION G - GENERAL PROVISIONS****(a) General Compliance Requirements**

1. The permittee shall comply with all conditions of this permit. Noncompliance shall be a violation of 401 KAR 52:020 and of the Clean Air Act and is grounds for enforcement action including termination, revocation and reissuance, revision or denial of a permit [Section 1a, 3 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020 Section 26].
2. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a, 6 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
3. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:020, Section 19. The permit will be reopened for cause and revised accordingly under the following circumstances:
  - a. If additional requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:020, Section 12;
  - b. The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
  - c. The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit;

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

4. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or compliance with the conditions of this permit [Section 1a, 7,8 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
5. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such facts or corrected information to the permitting authority [401 KAR 52:020, Section 7(1)].

## SECTION G - GENERAL PROVISIONS (CONTINUED)

6. Any condition or portion of this permit, which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a, 14 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
7. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a, 4 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
8. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens of the United States [Section 1a, 15 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
9. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038, Section 3(6) [Section 1a, 10 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
10. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:020, Section 11(3)(b)].
11. This permit does not convey property rights or exclusive privileges [Section 1a, 9 of the *Cabinet Provisions and Procedures for Issuing Title V Permits* incorporated by reference in 401 KAR 52:020, Section 26].
12. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Kentucky Cabinet for Natural Resources and Environmental Protection or any other federal, state, or local agency.
13. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry [401 KAR 52:020, Section 11(3)(d)].
14. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders [401 KAR 52:020, Section 11(3)(a)].
15. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source pre construction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.

**SECTION G - GENERAL PROVISIONS (CONTINUED)**

16. Pursuant to 401 KAR 52:020, Section 11, a permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of issuance. Compliance with the conditions of a permit shall be considered compliance with:
  - (a) Applicable requirements that are included and specifically identified in the permit and
  - (b) Non-applicable requirements expressly identified in this permit.
17. This permit authorizes the burning of wood as defined in Regulation 401 KAR 60:005, with the exception of pressure treated wood. Pressure treating compounds include, but are not limited to, chromate, copper, arsenate, pentachlorophenol, and cresote. No other material shall be burned in the indirect heat exchangers unless authorized in writing by the Division.
  - (b) Permit Expiration and Reapplication Requirements
    1. This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:020, Section 12].
    2. The authority to operate granted shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:02+0 Section 8(2)].
  - (c) Permit Revisions
    1. A minor permit revision procedure may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:020, Section 14(2).
    2. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.
  - (d) Construction, Start-Up, and Initial Compliance Demonstration Requirements  
N/A



## SECTION G - GENERAL PROVISIONS (CONTINUED)

(e) Acid Rain Program Requirements

N/A

(f) Emergency Provisions

1. Pursuant to 401 KAR 52:020 Section 24(1), an emergency shall constitute an affirmative defense to an action brought for the noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or relevant evidence that:
  - a. An emergency occurred and the permittee can identify the cause of the emergency;
  - b. The permitted facility was at the time being properly operated;
  - c. During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and
  - d. Pursuant to 401 KAR 52:020, 401 KAR 50:055, and KRS 224.01-400, the permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division when emission limitations are exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and corrective actions taken.
  - e. This requirement does not relieve the source from other local, state or federal notification requirements.
2. Emergency conditions listed in General Condition (f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:020, Section 24(3)].
3. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:020, Section 24(2)].

## SECTION G - GENERAL PROVISIONS (CONTINUED)

(g) Risk Management Provisions

1. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center  
P.O. Box 3346  
Merrifield, VA, 22116-3346

2. If requested, submit additional relevant information to the Division or the U.S. EPA.

(h) Ozone depleting substances

1. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
  - a. Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
  - b. Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
  - c. Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
  - d. Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
  - e. Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
  - f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
2. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

**SECTION H - ALTERNATE OPERATING SCENARIOS**

N/A

**SECTION I - COMPLIANCE SCHEDULE**

N/A